**Dulles Airport** 

## **DATA PRESENTATION**

The following section contains the tables, site photos, and spectrum photos pertaining to the site location measured.

## 3.2 XM Radio - Dulles Airport

- o Table 3.2-1 presents a site data sheet including all pertinent site information.
- o Figure 3.2-1 contains topographic map denoting the test location throughout the measurements.
- o Figures 3.2-2 are the photographs depicting the test site.
- o Figures 3.2-3 through 3.2-4 are the RF spectrum photographs depicting the interference environment at the test site.

### **TABLE 3.2-1**

# **MEASUREMENT SITE DATA SHEET**

XM Radio

1. SYSTEM NAME:

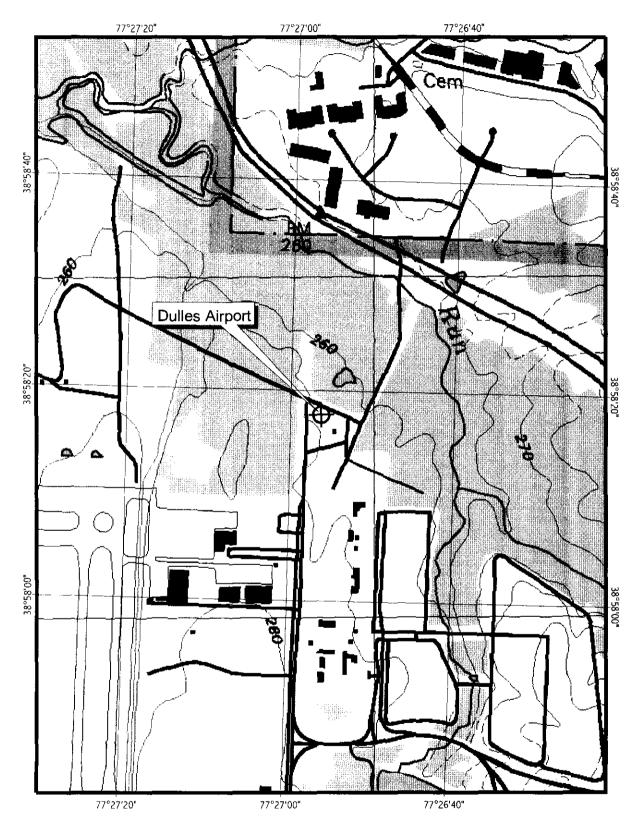
2. CITY AND STATE: Dulles, VA

3. SITE IDENTIFICATION: Dulles Airport

4. COORDINATES: LATITUDE: 38° 58' 21.5" N (NAD 1983) LONGITUDE: 77° 26' 56.3" W

5. SITE TYPE: Suburban

6. MEASUREMENT DATES & TIMES: January 17, 2002 1400-1500 January 21, 2002 1230-1330



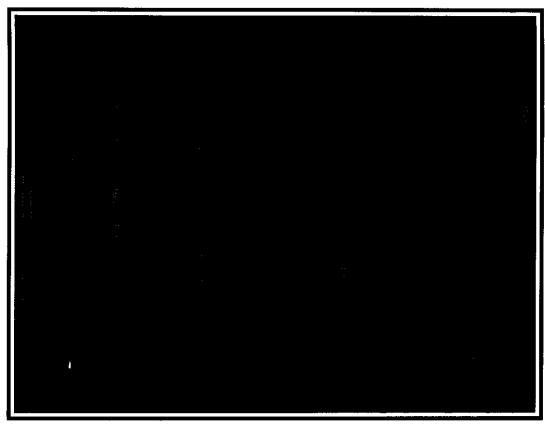


XM RADIO

**FIGURE 3.2-1** 







East

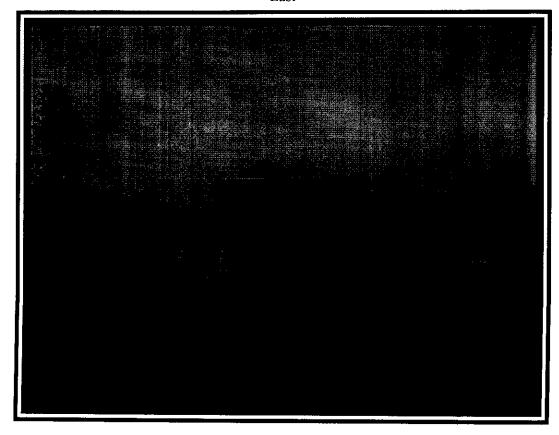
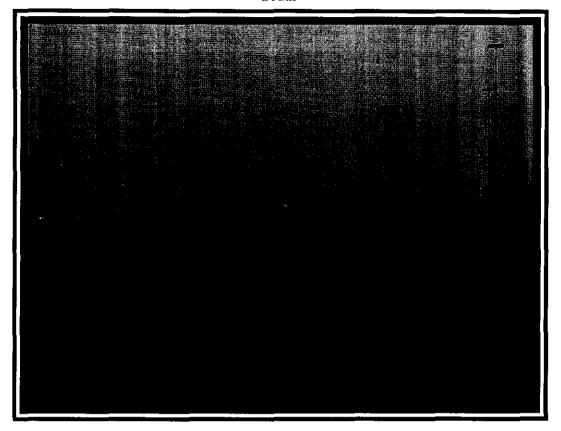


Figure 3.2-2 Measurement Site Photographs



West

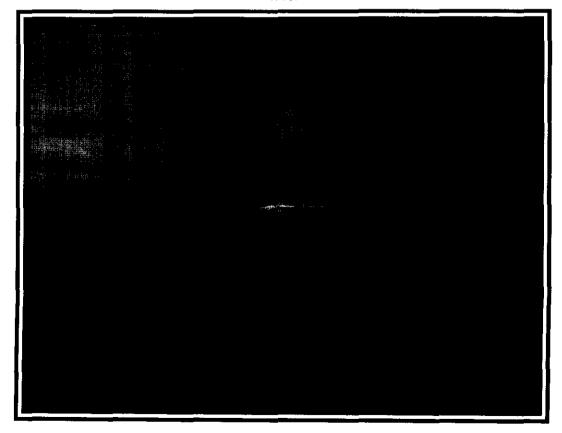
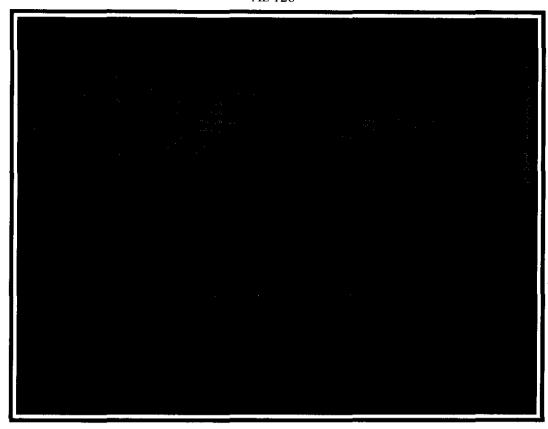


Figure 3.2-2 (cont.) Measurement Site Photographs



Az 189°

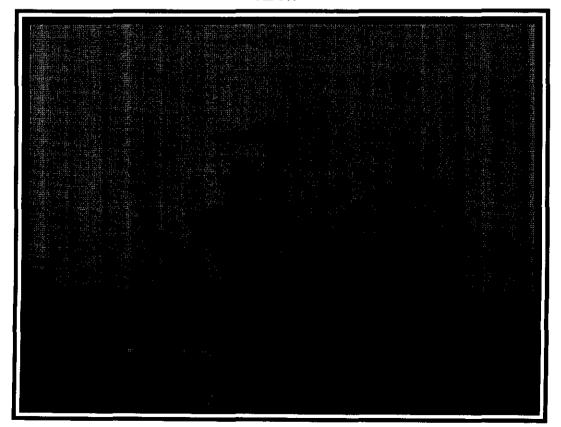
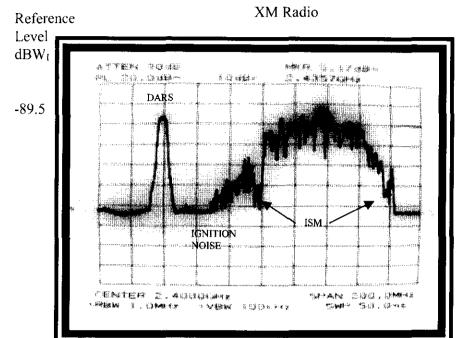


Figure 3.2-2 (cont.) Measurement Site Photographs

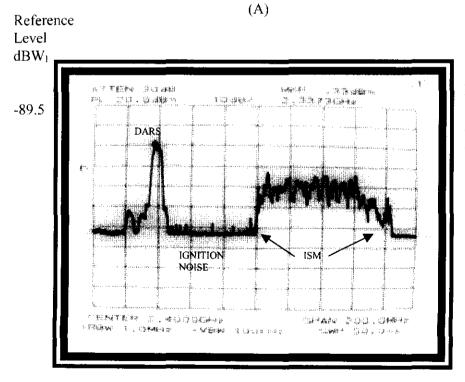


Azimuth 189°



With Tunable and High-Pass Filters

Date: January 17, 2002 Time of Day: 1440 Ant. Polarization: V Ant. Centerline: 10 Ft.



Date: January 17, 2002 Time of Day: 1445 Ant. Polarization: H Ant. Centerline: 10 Ft.

(B)

Figure 3.2-3 RF Spectrum Analysis

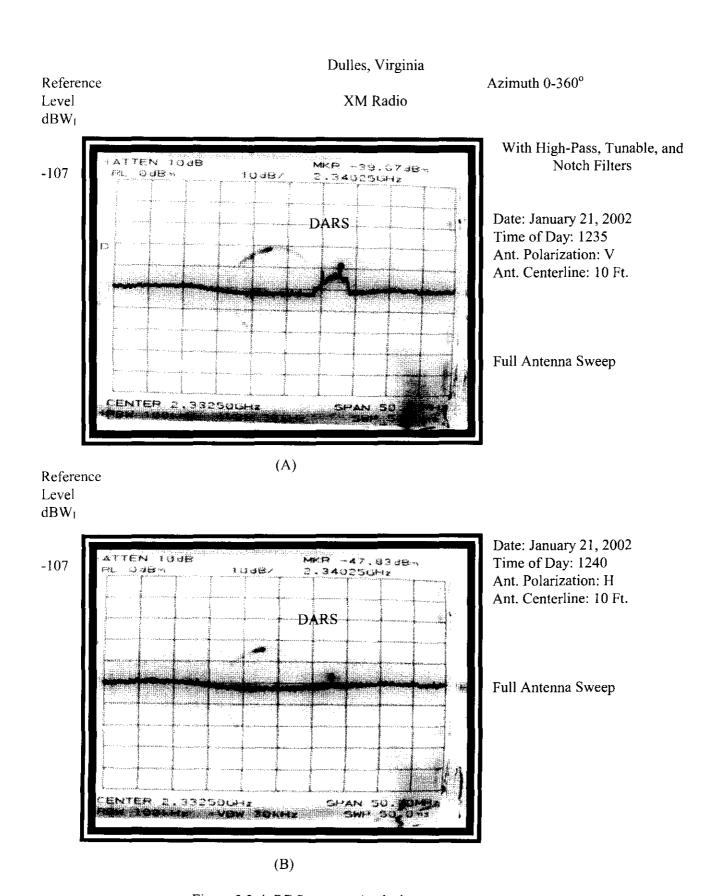


Figure 3.2-4 RF Spectrum Analysis

Reston, VA

## **DATA PRESENTATION**

The following section contains the tables, site photos, and spectrum photos pertaining to the site location measured.

## 3.3 XM Radio - Reston, VA

- o Table 3.3-1 presents a site data sheet including all pertinent site information.
- o Figure 3.3-1 contains topographic map denoting the test location throughout the measurements.
- o Figures 3.3-2 are the photographs depicting the test site.
- o Figures 3.3-3 through 3.3-4 are the RF spectrum photographs depicting the interference environment at the test site.

### **TABLE 3.3-1**

# **MEASUREMENT SITE DATA SHEET**

1. SYSTEM NAME:

XM Radio

2. CITY AND STATE:

Reston, VA

3. SITE IDENTIFICATION:

Reston Town Center

4. COORDINATES:

LATITUDE:

38° 57' 27.2" N

(NAD 1983)

LONGITUDE:

77° 21' 27.2" W

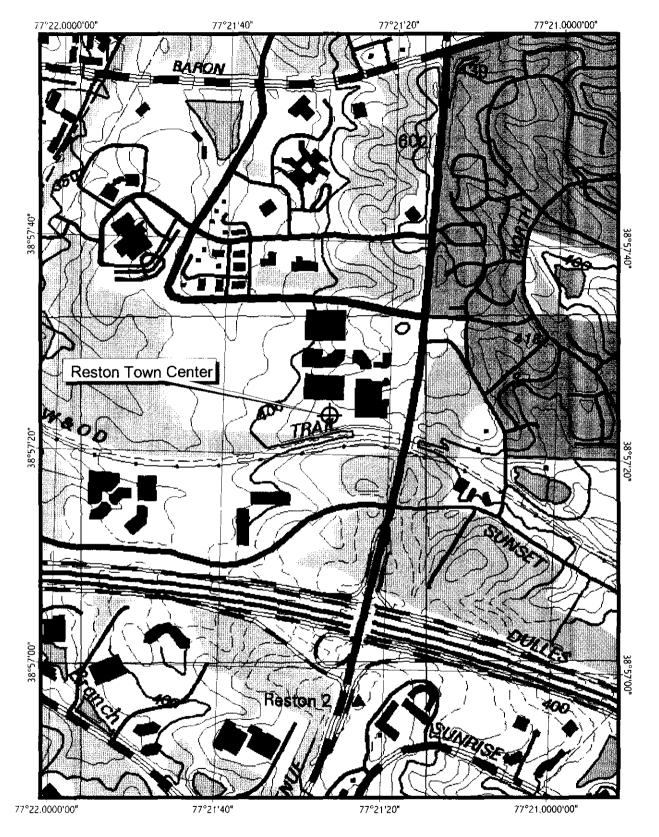
5. Site Type:

Urban

6. MEASUREMENT DATES & TIMES:

January 17, 2002 1730-1830

January 18, 2002 1430-1515

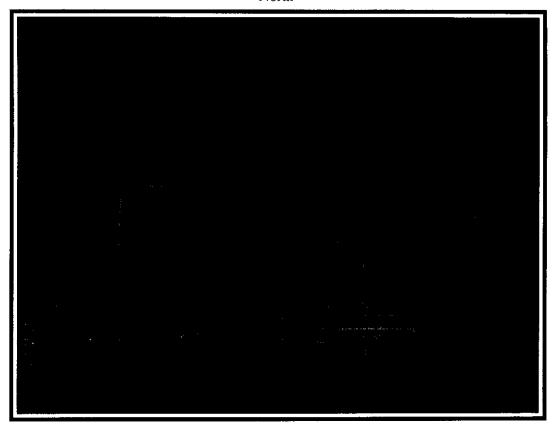




XM RADIO

**FIGURE 3.3-1** 

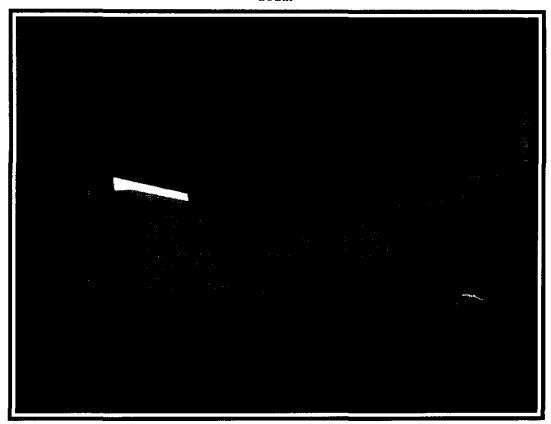




East



Figure 3.3-2 Measurement Site Photographs



West

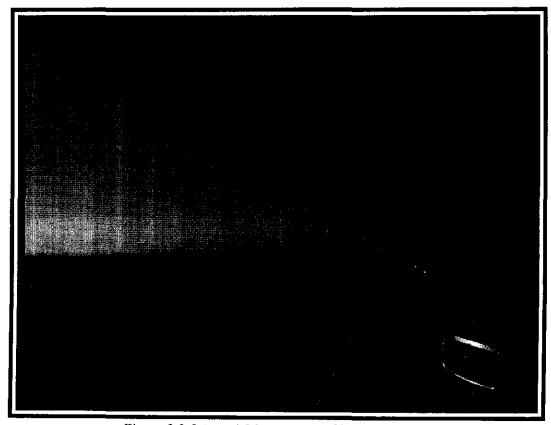
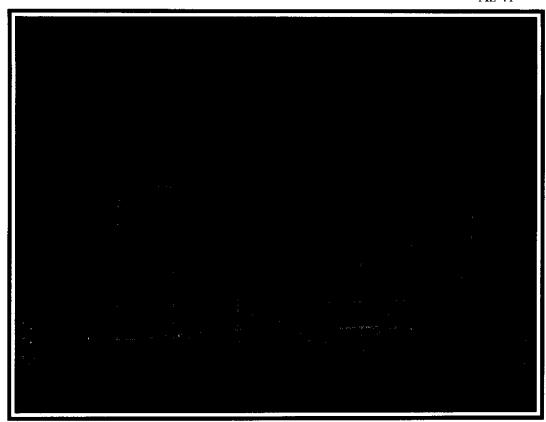


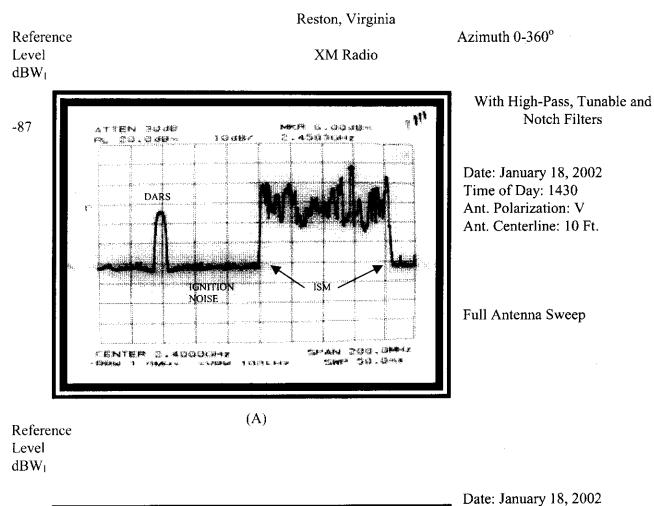
Figure 3.3-2 (cont.) Measurement Site Photographs



Az 166°



Figure 3.3-2 (cont.) Measurement Site Photographs



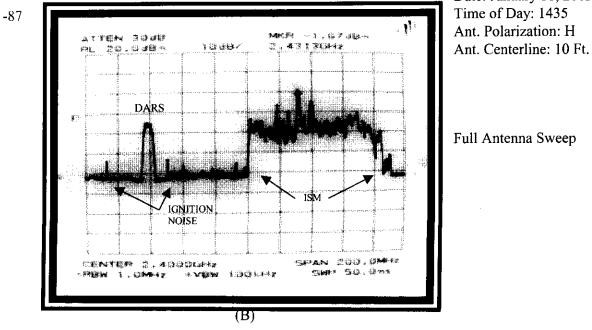


Figure 3.3-3 RF Spectrum Analysis

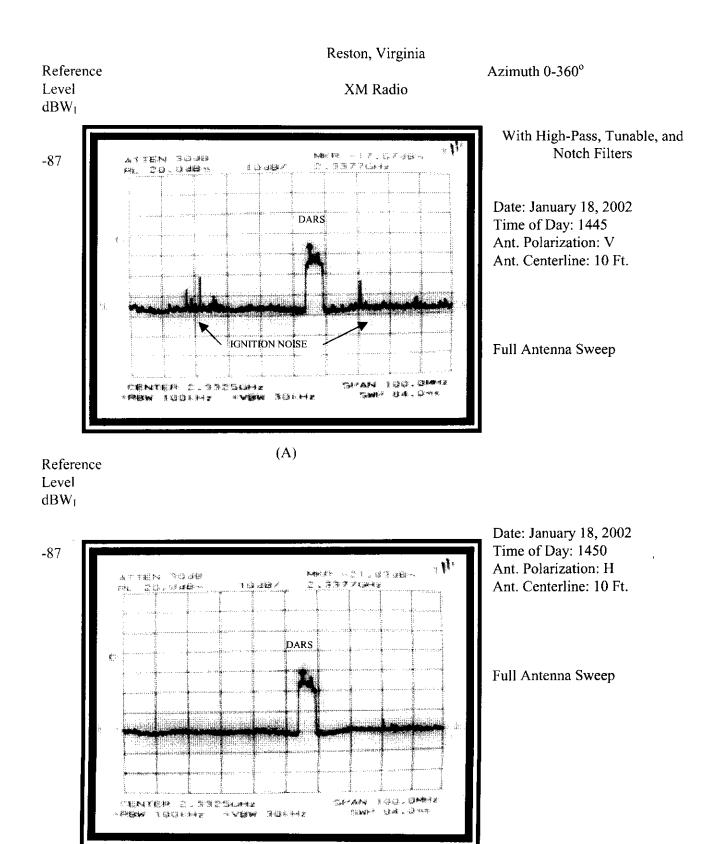


Figure 3.3-4 RF Spectrum Analysis

Vienna, VA

### **DATA PRESENTATION**

The following section contains the tables, site photos, and spectrum photos pertaining to the site location measured.

## 3.4 XM Radio – Vienna, VA

- o Table 3.4-1 presents a site data sheet including all pertinent site information.
- o Figure 3.4-1 contains topographic map denoting the test location throughout the measurements.
- o Figures 3.4-2 are the photographs depicting the test site.
- o Figures 3.4-3 through 3.4-4 are the RF spectrum photographs depicting the interference environment at the test site.

### **TABLE 3.4-1**

# **MEASUREMENT SITE DATA SHEET**

1. SYSTEM NAME:

XM Radio

2. CITY AND STATE:

Vienna, VA

3. SITE IDENTIFICATION:

Tyson's Corner

4. COORDINATES:

LATITUDE:

38° 55' 19.5" N

(NAD 1983)

LONGITUDE: 77° 13' 25.9" W

5. SITE TYPE:

Urban

6. MEASUREMENT DATES & TIMES:

January 17, 2002 1200-1330

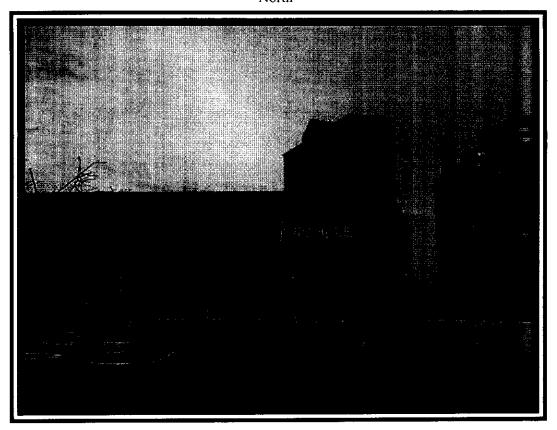
January 18, 2002 1300-1400



XM RADIO

**FIGURE 3.4-1** 





East

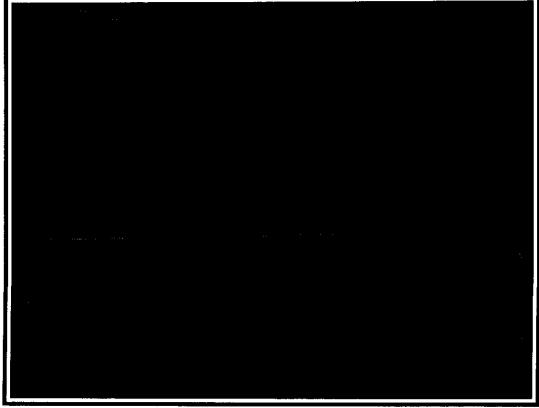


Figure 3.4-2 Measurement Site Photographs

# South



# West

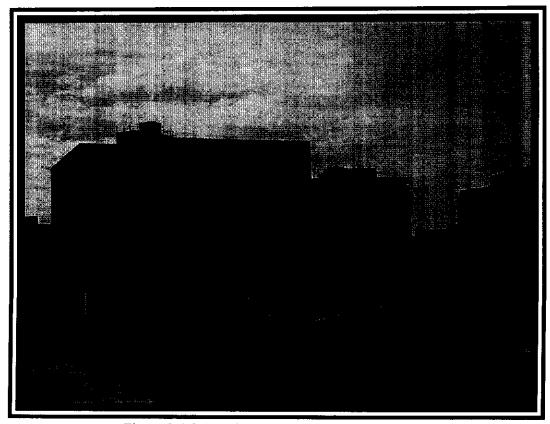
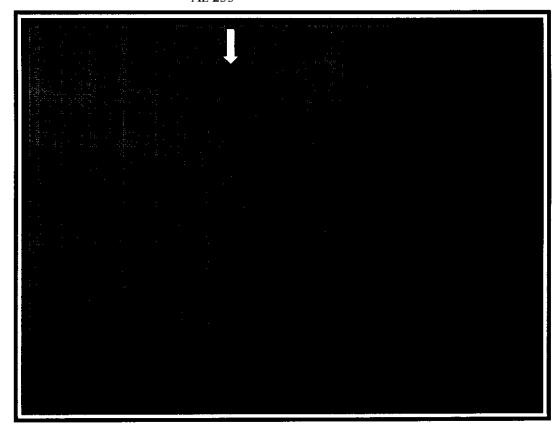


Figure 3.4-2 (cont.) Measurement Site Photographs



Az 296°

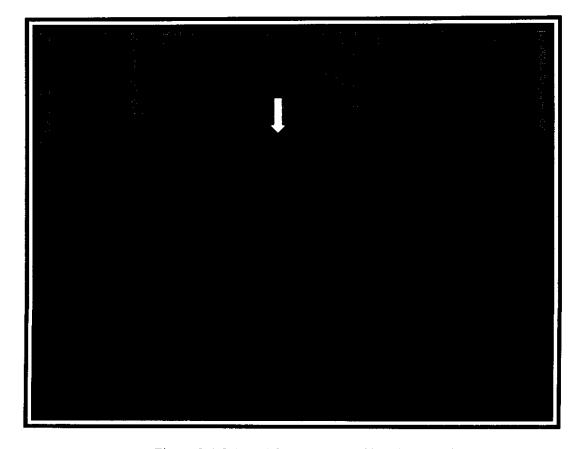


Figure 3.4-2 (cont.) Measurement Site Photographs

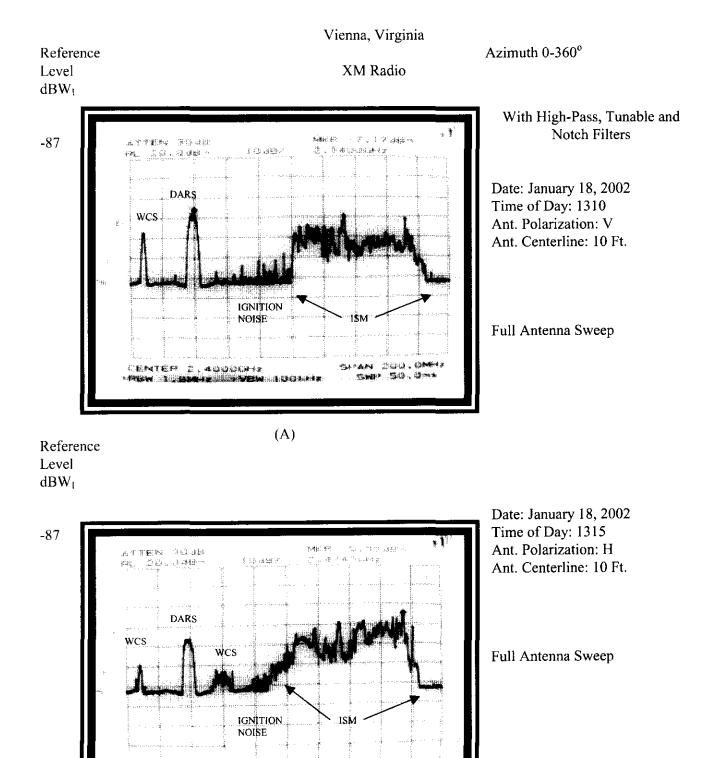


Figure 3.4-3 RF Spectrum Analysis

(B)

SPAN COG. DMT

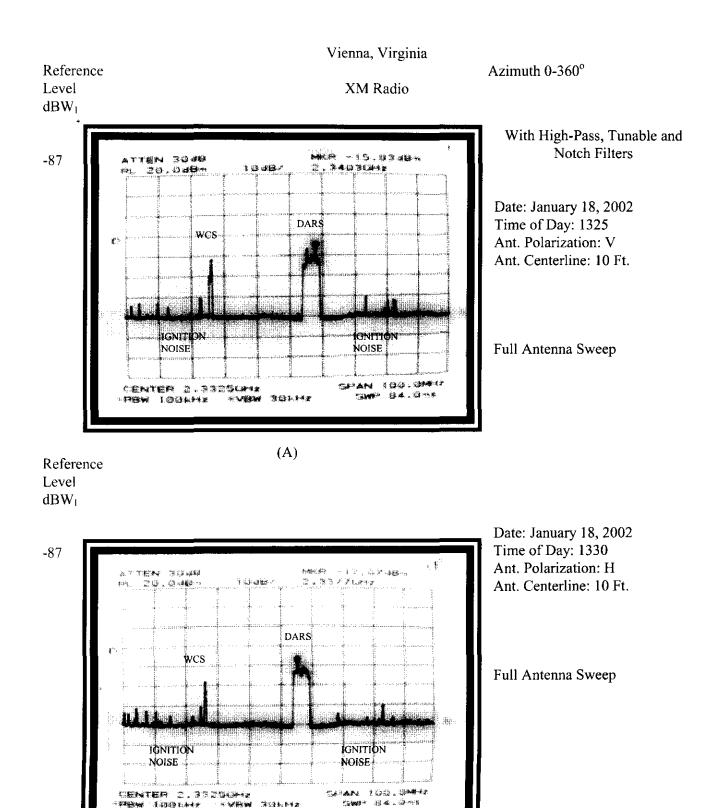


Figure 3.4-4 RF Spectrum Analysis